

Curriculum Vitae

Harrison Bai, MD, MS

Associate Professor, Vice Chair of Clinical Research, David A. Kumpe Endowed Chair

Personal (Do not add Social Security Number or CO License Number)

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EDUCATION

09/2004-05/2008	Yale University New Haven, CT BA
09/2009-05/2013	Yale School of Medicine New Haven, CT MD
06/2013-12/2017	Johns Hopkins University Baltimore, MD MS in Bioinformatics
09/2021-05/2026	Johns Hopkins University Baltimore, MD MS in Computer Science

Post-Graduate Training

Internship:

06/2013-06/2014	General Surgery University of Pennsylvania Philadelphia, PA
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Residency:

06/2014-06/2015	General Surgery University of Pennsylvania Philadelphia, PA
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06/2015-06/2018	Diagnostic Radiology University of Pennsylvania Philadelphia, PA
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Fellowship:

06/2018-06/2019	Interventional Radiology University of Pennsylvania Philadelphia, PA
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ACADEMIC APPOINTMENTS

Academic Rank: Medical School Positions

Appointments:

07/2019-06/2021	Assistant Professor of Radiology Brown University
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	Providence, RI
07/2021-10/2023	Assistant Professor of Radiology Johns Hopkins University Baltimore, MD
11/2023-06/2025	Associate Professor of Radiology Johns Hopkins University Baltimore, MD
07/2025-present	Adjunct Professor of Radiology Johns Hopkins University Baltimore, MD
07/2025-present	Associate Professor of Radiology University of Colorado Aurora, CO
10/2025-present	Associate Professor of Biomedical Engineering (Affiliate Faculty) University of Colorado Boulder, CO
10/2025-present	Associate Professor of Computational Bioscience (Affiliate Faculty) University of Colorado Aurora, CO

Radiology Departmental Positions:

07/2019-06/2021	Attending Radiologist – Interventional Radiology Rhode Island Hospital and Miriam Hospital Providence, RI
07/2021-06/2025	Attending Radiologist – Body Imaging Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center Baltimore, MD
07/2025-present	Attending Radiologist – Body Imaging University of Colorado Aurora, CO
07/2025-present	Vice Chair of Clinical Research University of Colorado Aurora, CO

HOSPITAL, GOVERNMENT OR OTHER PROFESSIONAL POSITIONS

Hospital Faculty Attending Positions

07/2019-06/2021	Rhode Island Hospital and Miriam Hospital Providence, RI
07/2021-06/2025	Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center Baltimore, MD
07/2025-present	University of Colorado Anschutz Medical Center

Aurora, CO

AWARDS AND HONORS (Including Major Appointments in the department or hospital)

2025	Associate Editor at npj Digital Medicine New York, NY
2021	Amazon Web Service Diagnostic Development Initiative Award Seattle, WA
2020	Associate Editor at Radiology: Artificial Intelligence Chicago, IL
2020	SIR pilot award Fairfax, VA
2020	RSNA Research Scholar Grant Chicago, IL
2020	Amazon Web Service Diagnostic Development Initiative Award Seattle, WA
2020	Brown University Interdisciplinary Team Undergraduate Teaching and Research Awards Faculty Sponsor Providence, RI
2018	RSNA Fellow Research Grant Chicago, IL
2018	NVIDA GPU Grant Santa Clara, CA
2018	SIR Resident Research Grant Fairfax, VA
2017	RSNA Trainee Research Prize Chicago, IL
2011	NASPGHAN/CDHNF Medical Student Mentored Student Summer Research Award Amber, PA
2007	Yale College Dean's Research Fellowship New Haven, CT
2005	National Science Foundation REU Award Alexandria, VA

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**National/International Medical Organizations (Alphabetically)**

American Board of Radiology (ABR)
07/2015 - present

MAJOR COMMITTEE & SERVICE RESPONSIBILITIES

National/International Medical Organizations (Alphabetically)

Radiological Society of North America (RSNA)

07/2020-06/2022

Machine Learning Steering Subcommittee of the RSNA Radiology Informatics
Committee member

MEDICAL LICENSURE AND BOARD CERTIFICATION

State Licensure: State of Colorado: Expires: 04/30/2027

Board Certifications American Board of Radiology

2024 Diagnostic and Interventional Radiology American Board of Radiology

2025-Current Maintenance of Certification (MOC) Yearly

INVENTIONS, INTELLECTUAL PROPERTY & PATENTS HELD OR PENDING

Patents (Pending)

- System and Method for Coarse-to-Fine Segmentation of Images to Detect Kidney and Renal Growths.
U.S. Patent Application No. 18/881,495, filed January 6, 2025.
- PET/CT Atlas for Segmentation.
International Patent Application No. PCT/US24/46993, filed September 17, 2024.

REVIEW & REFEREE WORK

Peer Review Work: Journal Reviews

1. Nature
2. The Lancet
3. Nature Machine Intelligence
4. Lancet Digital Health
5. Radiology
6. EbioMedicine
7. European Radiology
8. Journal of Imaging Informatics in Medicine
9. Scientific Reports
10. Cancer Imaging
11. Journal of Thoracic Imaging
12. Clinical Cancer Research
13. Journal of Magnetic Resonance Imaging
14. Nature Communications
15. JAMA oncology
16. IEEE/ACM Transactions on Computational Biology and Bioinformatics

Peer Review Work: Editorial Board

1. NPJ Digital Medicine
2. Radiology: Artificial Intelligence

INVITED EXTRAMURAL LECTURES, PRESENTATIONS, & VISITING PROFESSORSHIPS

Regional

1. “AI application in Radiology”, Joint conference on “How Israelis and Rhode Islanders are Using AI to Change the World of Digital Health” (virtual), Rhode Island Hospital and Brown Center for Digital Health, 05/06/21

National or International

2. “Big data and clinical outcome registries: AI-based concepts to improve clinical decision making”, Machine learning in interventional oncology panel at Society of Interventional Radiology annual scientific meeting, Society of Interventional Radiology, 03/27/2019
3. “*AI Augmentation of Radiologist Performance in Distinguishing COVID-19 from Pneumonia of Other Etiology on Chest CT*”, COVID-19 Webinars (virtual), MICCAI Society, 05/14/2021
4. “*Academic-Industrial Partnerships for AI Co-Developments Do’s and Don’ts*”, Research Consensus Panel on “From code to bedside – the journey towards artificial intelligence in interventional radiology” (virtual), Society of Interventional Radiology, 12/02/2021
5. “Deep Learning for Ovarian Tumor classification”, the 9th Asian Congress of Abdominal Radiology (ACAR2022), the 4th Annual Scientific Meeting of ASMRM (virtual), Chung Gang Memorial Hospital, Taipei, Taiwan, 05/21/2022
6. “*Development of AI derived vision-language foundation model for automatic disease diagnosis and report generation*”, University of Southern California Radiology Grand Rounds, 01/18/2024
7. “*Normal pressure hydrocephalus: how AI assists in diagnosis and treatment*”, Hydrocephalus Association CONNECT National Conference on Hydrocephalus, 07/22/2024

TEACHING RECORD

Major Presentations

Medical Students (Number of Learners, Frequency, Duration, e.g.1hr)

Graduate Students (Number of Learners, Frequency, Duration, e.g.1hr)

“Application of artificial intelligence to medical imaging analysis”, ENGN 2500 Medical Image Analysis, Brown University Department of Engineering at Brown University. Guest lecturer on application of medical image analysis for Radiology (2019); >20 learners, once, duration 1 hour.

“How to implement machine learning/deep learning for a real project?”, Molecular Imaging Seminar Series (interdepartmental), Central South University, Xiangya Hospital in Changsha, Hunan Province, China (2020-2026). Class instructor (remote) on lecture to medical PhD and graduate students; >200 learners, 5 times, duration 45 minutes

Residents/Fellows (Number of Learners, Frequency, Duration, e.g.1hr)

“Application of artificial intelligence in Radiology”, Radiology Residency morning conference, Department of Diagnostic Imaging, Brown University. Presenter on application of artificial intelligence in Radiology (2020); >30 learners, once, duration 45 minutes

“Application of artificial intelligence in Radiology”, Radiology Residency morning conference, Johns Hopkins University Department of Radiology. Presenter on application of artificial intelligence in Radiology (2021-2025); >30 learners, 4 times, duration 45 minutes

Course Numbers and Dates

State Ward/Clinic Attending Duties (e.g., “2000-03: Supervision and bedside teaching of residents, high-risk hypertension clinic - 6 hours/week”)

Key Administrative Positions (course or training program director) and dates

Specific Accomplishments (course development, innovative syllabus, etc.)

Teaching Awards (should be listed here AND in Awards & Honors)

GRANT SUPPORT (Active Grants 1st)

Research Funding

Organization: NIH / NHLBI

Title of Research: AI-driven framework for accurate diagnosis, prognosis, and management of acute pulmonary embolism

Name(s): Bai, H, Jiao Z

Your Role: contact PD/PI

Funding Source (Grant Number): NIH (R01HL188381-01)

Period of Performance: 08/07/2026 – 05/31/2031

Your Effort: 1.2 calendar months/year (10.0%)

Total Direct Costs: \$3,007,866

Organization: National Science Foundation

Title of Research: AI-Driven RFID Sensing for Smart Health Applications

Name(s): Mao, S.; Bai, H.

Your Role: Co-PD/PI

Funding Source (Grant Number): NSF (2545071)

Start Date – End Date: 08/01/2023 – 07/31/2027

Your Effort:

- 0.96 calendar months/year (8.0%) in 2025
- 1.00 calendar months/year (8.3%) in 2026–2027

Total Direct Costs: \$1,200,000

Organization: U.S. Department of Defense – USAMRAA

Title of Research: Development of a Fully Automated Deep Learning-Based Framework for Segmentation and Treatment Response Assessment of Lesions on PSMA PET/CT in Prostate Cancer

Name(s): Bai, H.

Your Role: PD/PI

Funding Source (Grant Number): DOD (HT94252510807)

Start Date – End Date: 09/01/2024 – 08/31/2027

Your Effort: 1.20 calendar months/year (0.24%)

Total Direct Costs: \$1,000,000

Organization: American Heart Association

Title of Research: Advancing Generative AI for Cardiac MRI: A Multi-Sequence Vision-Language Model for Personalized Diagnostics and Outcome Prediction

Name(s): Bai, H.

Your Role: PD/PI

Funding Source (Grant Number): AHA (25IPA1454088)

Start Date – End Date: 09/01/2025 – 08/31/2027

Your Effort: 0.84 calendar months/year (7.0%)

Total Direct Costs: \$200,000

Organization: NIH / NCI via Brown University

Title of Research: Employing Quantitative Image Analysis Based on Deep Learning to Improve Treatment Efficacy in Image-Guided Renal Tumor Ablation

Name(s): Kimia, B.; Bai, H.

Your Role: Co-PD/PI (Subcontract)

Funding Source (Grant Number): NIH/NCI R03 (1R03CA286693-01A1)

Start Date – End Date: 07/01/2024 – 06/30/2026

Your Effort:

- 0.25 calendar months/year (2.1%) in 2025
- 0.24 calendar months/year (2.0%) in 2026

Total Direct Costs (Subaward): \$114,726

Organization: NIH / NCI via Massachusetts General Hospital
Title of Research: Molecular Subtyping of Brain Tumors Using a Blood-Based Multiplexed Assay
Name(s): Balaj, L.; Bai, H.
Your Role: Sub-Investigator
Funding Source (Grant Number): NIH/NCI R01 (R01CA291826)
Start Date – End Date: 04/01/2025 – 03/31/2030
Your Effort: 0.60 calendar months/year (5.0%)
Total Direct Costs (Subaward): \$2,164,075

Organization: NIH / NCI
Title of Research: Integrating Circulating Tumor DNA Assay and Protein-Based MRI to Accurately Monitor Glioma Therapy
Name(s): Jiang, S.; Bettegowda, C.
Your Role: Co-Investigator
Funding Source (Grant Number): NIH/NCI
Period of Performance: 07/01/2023 – 06/30/2028
Your Effort:

- 2025: 0.44 calendar months (3.7%)
- 2026–2028: 0.60 calendar months/year (5.0%)

Total Direct Costs: \$3,335,123

Organization: NIH / NCI via Carina Medical LLC
Title of Research: Multi-Modality Imaging-Based Quantitative Pre/During/Post-Treatment Lymph Node Monitoring in Cancers
Name(s): Feng, X.; Bai, H.
Your Role: Sub-Investigator (Sub-PI)
Funding Source (Grant Number): NIH/NCI
Start Date – End Date: 09/01/2023 – 08/31/2025
Your Effort: 0.55 calendar months/year (2025)
Total Direct Costs (Subaward): \$2,000,000

Organization: Johns Hopkins Institute for Clinical and Translational Research (ICTR)
Title of Research: Enhancing Large Vision-Language Model Efficacy Through Representative Slice Selection from 3D Medical Imaging Data
Name(s): Bai, H.
Your Role: PD/PI
Funding Source (Grant Number): ICTR Pilot Award
Period of Performance: 07/01/2024 – 06/30/2025
Your Effort:

- 2025: 0.06 calendar months (0.5%)

Total Direct Costs: \$50,000

Organization: NIH / NCI
Title of Research: Deep Learning Characterization of Renal Tumors
Name(s): Bai, H.
Your Role: PD/PI
Start Date – End Date: 03/01/2020 – 03/31/2024
Total Direct Costs: \$161,000

Organization: NIH / NCI
Title of Research: Multi-Modality Quantitative Imaging for Evaluation of Response to Cancer Therapy
Name(s): Rowe, S.; Bai, H.
Your Role: Co-Investigator
Start Date – End Date: 07/01/2018 – 06/30/2023
Total Direct Costs: \$2,589,012

Organization: RSNA Research & Education Foundation

Title of Research: Deep Learning-Based Response Assessment and Outcome Prediction for Transarterial Chemoembolization of Hepatocellular Carcinoma

Name(s): Bai, H.

Your Role: PD/PI

Start Date – End Date: 07/01/2020 – 06/30/2023

Total Direct Costs: \$150,000

Organization: Brown University

Title of Research: Utilization of Deep Learning to Predict Characteristics and Treatment Response in Renal Tumors

Name(s): Cetintemel, U.; Bai, H.

Your Role: Co-PI

Start Date – End Date: 07/01/2021 – 06/30/2022

Total Direct Costs: \$50,000

BIBLIOGRAPHY

Peer-Reviewed Publications (*Must include PubMed links; Number chronologically oldest to newest*)

* Fellow, Resident Mentee

1. **Bai HX**, Lowe ME, Husain SZ (2011). What have we learned about acute pancreatitis in children?. Journal of pediatric gastroenterology and nutrition, 52(3), 262-70. <https://pubmed.ncbi.nlm.nih.gov/21336157/>
2. Mishra AM, **Bai H**, Gribizis A, Blumenfeld H (2011). Neuroimaging biomarkers of epileptogenesis. Neuroscience letters, 497(3), 194-204. <https://pubmed.ncbi.nlm.nih.gov/21303682/>
3. **Bai HX**, Ma MH, Orabi AI, Park A, Latif SU, Bhandari V, Husain SZ (2011). Novel characterization of drug-associated pancreatitis in children. Journal of pediatric gastroenterology and nutrition, 53(4), 423-8. <https://pubmed.ncbi.nlm.nih.gov/21681111/>
4. Moran MS, **Bai HX**, Harris EE, Arthur DW, Bailey L, Bellon JR, Carey L, Goyal S, Halyard MY, Horst KC, MacDonald SM, Haffty BG (2012). ACR appropriateness criteria(®) ductal carcinoma in situ. The breast journal, 18(1), 8-15. <https://pubmed.ncbi.nlm.nih.gov/22107336/>
5. Ma MH, **Bai HX**, Park AJ, Latif SU, Mistry PK, Pashankar D, Northrup VS, Bhandari V, Husain SZ (2012). Risk factors associated with biliary pancreatitis in children. Journal of pediatric gastroenterology and nutrition, 54(5), 651-6. <https://pubmed.ncbi.nlm.nih.gov/22002481/>
6. Morinville VD, Husain SZ, **Bai H**, Barth B, Alhosh R, Durie PR, Freedman SD, Himes R, Lowe ME, Pohl J, Werlin S, Wilschanski M, Uc A (2012). Definitions of pediatric pancreatitis and survey of present clinical practices. Journal of pediatric gastroenterology and nutrition, 55(3), 261-5. <https://pubmed.ncbi.nlm.nih.gov/22357117/>
7. **Bai HX**, Giefer M, Patel M, Orabi AI, Husain SZ (2012). The association of primary hyperparathyroidism with pancreatitis. Journal of clinical gastroenterology, 46(8), 656-61. <https://pubmed.ncbi.nlm.nih.gov/22874807/>
8. Nelson C, **Bai H**, Neboori H, Takita C, Motwani S, Wright JL, Hobeika G, Haffty BG, Jones T, Goyal S, Moran MS (2012). Multi-institutional experience of ductal carcinoma in situ in black vs white patients treated with breast-conserving surgery and whole breast radiation therapy. International journal of radiation oncology, biology, physics, 84(3), e279-83. <https://pubmed.ncbi.nlm.nih.gov/22672752/>
9. Zhang G, **Bai HX**, Yang L, Ma MH, Su Y, Luo Y, Wen H, Lu Q, Xiao R (2013). NK-/T-cell lymphoma resembling hydroa vacciniforme with positive CD4 marker expression: a diagnostic difficulty. The American Journal of dermatopathology, 35(1), 94-7. <https://pubmed.ncbi.nlm.nih.gov/22885552/>
10. **Bai HX** (2013). An uncommon anatomic variant of the biliary tree in a potential liver donor. Digestive and liver disease : official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver, 45(6), e9. <https://pubmed.ncbi.nlm.nih.gov/23141869/>
11. Cheng SX, **Bai HX**, Gonzalez-Peralta R, Mistry PK, Gorelick FS (2013). Calcium ameliorates diarrhea in immunocompromised children. Journal of pediatric gastroenterology and nutrition, 56(6), 641-4. <https://pubmed.ncbi.nlm.nih.gov/23343935/>
12. **Bai HX**, Wang ZL, Tan LM, Xiao B, Goldstein JM, Yang L (2013). The effectiveness of immunomodulating

- treatment on Miller Fisher syndrome: a retrospective analysis of 65 Chinese patients. *Journal of the peripheral nervous system : JPNS*, 18(2), 195-6. <https://pubmed.ncbi.nlm.nih.gov/23781970/>
13. Yue J, Zhang K, **Bai HX**, Du J, Cammisa F, Abjornson C, Mo F (2013). A comparison of patients who have undergone 1-Level versus 2-Level ProDisc arthroplasty: a prospective study with minimum of 5-year follow-up. *Spine*, 38(14), 1194-8. <https://pubmed.ncbi.nlm.nih.gov/23392415/>
 14. Wang ZL, **Bai HX**, Yang L (2013). Spontaneous spinal epidural hematoma during pregnancy: case report and literature review. *Neurology India*, 61(4), 436-7. <https://pubmed.ncbi.nlm.nih.gov/24005747/>
 15. Yang L, **Bai HX**, Zhao X, Xiao Y, Tan L (2013). Postpartum cerebral angiopathy presenting with non-aneurysmal subarachnoid hemorrhage and interval development of neurological deficits: a case report and review of literature. *Neurology India*, 61(5), 517-22. <https://pubmed.ncbi.nlm.nih.gov/24262456/>
 16. **Bai HX**, Motwani SB, Higgins SA, Haffty BG, Wilson LD, Lannin DR, Evans SB, Moran MS (2014). Breast conservation therapy for ductal carcinoma in situ (DCIS): does presentation of disease affect long-term outcomes?. *International journal of clinical oncology*, 19(3), 460-6. <https://pubmed.ncbi.nlm.nih.gov/23780727/>
 17. Yang L, **Bai HX**, Zhao X, Xiao Y, Tan L (2014). Short-term risk of stroke after dizziness presentation. *Annals of neurology*, 76(5), 766-7. <https://pubmed.ncbi.nlm.nih.gov/25257757/>
 18. Xiao Y, **Bai HX**, Zhao X, Shu Y, Zou Y, Yang L (2014). Craniocervical pneumatization presenting as cranial nerve IX-XII palsies: case report and review of the literature. *Neurology India*, 62(6), 699-700. <https://pubmed.ncbi.nlm.nih.gov/25591699/>
 19. Zou Y, **Bai HX**, Shu Y, Mao C, Yan B, Yang L (2015). Anaplastic oligoastrocytoma: is molecular stratification based on 1p/19q status alone appropriate?. *Journal of neuro-oncology*, 122(1), 217-8. <https://pubmed.ncbi.nlm.nih.gov/25555564/>
 20. Zou Y, **Bai HX**, Wang Z, Yang L (2015). Comparison of immunohistochemistry and DNA sequencing for the detection of IDH1 mutations in gliomas. *Neuro-oncology*, 17(3), 477-8. <https://pubmed.ncbi.nlm.nih.gov/25556921/>
 21. Zhao X, **Bai HX**, Tan LM, Yang L (2015). Anticonvulsants delaying the diagnosis of Cushing's syndrome in a patient who presents with schizophrenia. *Chinese medical journal*, 128(5), 700-1. <https://pubmed.ncbi.nlm.nih.gov/25698208/>
 22. Youngblood MW, Chen WC, Mishra AM, Enamandram S, Sanganahalli BG, Motelow JE, **Bai HX**, Frohlich F, Gribizis A, Lighten A, Hyder F, Blumenfeld H (2015). Rhythmic 3-4Hz discharge is insufficient to produce cortical BOLD fMRI decreases in generalized seizures. *NeuroImage*, 109(), 368-77. <https://pubmed.ncbi.nlm.nih.gov/25562830/>
 23. Zhao X, Tan L, Yang L, **Bai HX** (2015). Is vascular fragility a significant concern in Ehlers-Danlos syndrome type VIA?. *Pediatric neurology*, 52(4), e3-4. <https://pubmed.ncbi.nlm.nih.gov/25616373/>
 24. Zhao X, **Bai HX**, Zou Y, Yang L (2015). Letter: Reoperation for recurrent high-grade glioma: does tumor genetics play a role?. *Neurosurgery*, 76(4), E496-7. <https://pubmed.ncbi.nlm.nih.gov/25635893/>
 25. Zou Y, **Bai HX**, Wang Z, Jiang Y, Yang L (2015). Association of IDH1/2 mutation with preoperative seizure in low-grade gliomas: how strong is the evidence?. *Epilepsy research*, 112(), 154-5. <https://pubmed.ncbi.nlm.nih.gov/25769499/>
 26. Zou Y, **Bai HX**, Wang Z, Yang L (2015). Biopsy versus resection in the management of high-grade gliomas in the elderly. *Neuro-oncology*, 17(6), 901-3. <https://pubmed.ncbi.nlm.nih.gov/25758747/>
 27. Yang L, **Bai HX** (2015). Letter by Yang and Bai regarding article, "Safety of intravenous thrombolysis in stroke mimics: prospective 5-year study and comprehensive meta-analysis". *Stroke*, 46(6), e155-6. <https://pubmed.ncbi.nlm.nih.gov/25931461/>
 28. Zou Y, **Bai HX**, Tao Y (2015). Diagnosing Encephalitis, Not Otherwise Specified. *JAMA neurology*, 72(6), 725-6. <https://pubmed.ncbi.nlm.nih.gov/26053446/>
 29. Zou Y, **Bai HX**, Wang Z, Jiang Y, Yang L (2015). Radiation therapy after subtotal resection of pediatric grade II/III spinal ependymomas: what is the evidence?. *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*, 31(7), 1021-2. <https://pubmed.ncbi.nlm.nih.gov/25694025/>
 30. **Bai HX**, Zou Y, Lee AM, Lancaster E, Yang L (2015). Diagnostic Value and Safety of Brain Biopsy in Patients With Cryptogenic Neurological Disease: A Systematic Review and Meta-analysis of 831 Cases. *Neurosurgery*, 77(2), 283-95; discussion 295. <https://pubmed.ncbi.nlm.nih.gov/25856111/>
 31. Wang ZL, **Bai HX**, Gao X, Qiu D, Yang L (2015). Acid-suppressive medication use in acute stroke patients: is it time to change practice?. *International journal of stroke : official journal of the International Stroke Society*, 10(6), E55. <https://pubmed.ncbi.nlm.nih.gov/26202711/>
 32. Yang L, **Bai HX**, Lee AM, Zou Y, Xiao B, Zhou J, Zhang P (2015). The role of radiotherapy in the treatment of spinal chordomas: an integrative analysis of 523 cases. *Neuro-oncology*, 17(10), 1419-20.

<https://pubmed.ncbi.nlm.nih.gov/26395061/>

33. Yang L, Su C, Lee AM, **Bai HX** (2015). Focusing on rare diseases in China: are we there yet?. *Orphanet journal of rare diseases*, 10(), 142. <https://pubmed.ncbi.nlm.nih.gov/26525984/>
34. Lee AM, **Bai HX**, Zou YJ, Wang ZL, Qiu DX, Tang HY, Yang L (2015). Superior Mesenteric Artery Syndrome in a 20-year-old Athletic Female with Abdominal Pain. *Chinese medical journal*, 128(23), 3260-1. <https://pubmed.ncbi.nlm.nih.gov/26612308/>
35. **Bai HX**, Lee AM, Wang Z, Tang H, Yang L (2016). Infrapatellar fat pad maximal area and changes in knee symptoms: gender-related difference or gender difference in reporting?. *Annals of the rheumatic diseases*, 75(1), e3. <https://pubmed.ncbi.nlm.nih.gov/26458739/>
36. **Bai HX**, Lee AM, Yang L, Zhang P, Davatzikos C, Maris JM, Diskin SJ (2016). Imaging genomics in cancer research: limitations and promises. *The British journal of radiology*, 89(1061), 20151030. <https://pubmed.ncbi.nlm.nih.gov/26864054/>
37. Wang Z, Lee AM, **Bai HX**, Tang H, Yang L (2016). Stenting of symptomatic extracranial vertebral artery stenosis: Is further testing indicated?. *International journal of stroke : official journal of the International Stroke Society*, 11(2), NP22-4. <https://pubmed.ncbi.nlm.nih.gov/26783319/>
38. Yang L, **Bai HX**, Lee AM (2016). Leveraging Imperfect Data Sets to Draw New Conclusions: Radiogenomics' True Value?. *Journal of the American College of Radiology : JACR*, 13(2), 120-1. <https://pubmed.ncbi.nlm.nih.gov/26846388/>
39. Yang L, Zhou H, Tang H, Lee AM, **Bai HX** (2016). A relationship between extracapsular involvement and response to steroid treatment in polymyalgia rheumatica: too soon to conclude?. *Annals of the rheumatic diseases*, 75(4), e16. <https://pubmed.ncbi.nlm.nih.gov/26698848/>
40. Yang L, **Bai HX**, Huang X, Lee AM, Tang X, Zhang P (2016). Brain biopsy in atypical dementia and primary angitis of the central nervous system. *Human pathology*, 51(), 146-7. <https://pubmed.ncbi.nlm.nih.gov/26980042/>
41. Wang D, Xu J, **Bai HX** (2016). Postoperative Care of Patients Undergoing Coronary Artery Bypass Graft: Beyond the Surgeon and the Anesthesiologist. *Anesthesia and analgesia*, 122(5), 1721-2. <https://pubmed.ncbi.nlm.nih.gov/27101510/>
42. **Bai HX**, Zou Y, Lee AM, Tang X, Zhang P, Yang L (2016). Does morphological assessment have a role in classifying oligoastrocytoma as 'oligodendroglial' versus 'astrocytic'?. *Histopathology*, 68(7), 1114-5. <https://pubmed.ncbi.nlm.nih.gov/26466141/>
43. **Bai HX**, Lee AM, Rosen MA (2016). Abdominal Pain in a Patient 13 Years After Roux-en-Y Gastric Bypass. *Gastroenterology*, 150(7), 1540-1541. <https://pubmed.ncbi.nlm.nih.gov/27140492/>
44. Lee AM, **Bai HX**, Zou Y, Qiu D, Zhou J, Martinez-Lage Alvarez M, Zhang P, Tao Y, Tang X, Xiao B, Yang L (2016). Safety and diagnostic value of brain biopsy in HIV patients: a case series and meta-analysis of 1209 patients. *Journal of neurology, neurosurgery, and psychiatry*, 87(7), 722-33. <https://pubmed.ncbi.nlm.nih.gov/26758989/>
45. Zou T, Yang L, Lee AM, Tan X, Wong E, **Bai HX** (2016). Can genetics explain the higher risk of worsening knee pain in offspring of people with total knee replacement for severe primary knee osteoarthritis?. *Annals of the rheumatic diseases*, 75(7), e45. <https://pubmed.ncbi.nlm.nih.gov/26964145/>
46. Huang X, **Bai H**, Zhou H, Tang H, Yang L (2016). Performance of 18F-FET-PET versus 18F-FDG-PET for the diagnosis and grading of brain tumors: inherent bias in meta-analysis not revealed by quality metrics. *Neuro-oncology*, 18(7), 1028. <https://pubmed.ncbi.nlm.nih.gov/27271089/>
47. **Bai HX**, Xiao Y, Zhao X, Wang Z, Kasner SE, Yang L (2016). Early identification of cerebrovascular events in patients presenting with vertigo or dizziness. *International journal of stroke : official journal of the International Stroke Society*, 11(6), NP64-7. <https://pubmed.ncbi.nlm.nih.gov/26891733/>
48. Tang H, **Bai HX**, Su C, Lee AM, Yang L (2016). The effect of cirrhosis on radiogenomic biomarker's ability to predict microvascular invasion and outcome in hepatocellular carcinoma. *Hepatology (Baltimore, Md.)*, 64(2), 691-2. <https://pubmed.ncbi.nlm.nih.gov/27113641/>
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Non-Peer-Reviewed Publications

Book Chapters

1. **Bai HX**, Trerotola SO. Advances in treatment and management in surgical endocrinology. Chapter 17: Adrenal vein sampling. 2020; 187-198.

Scientific Presentations and Exhibits (add City, State, Country so clear if national or international)

1. Li Y, Zou B, Dai Y, Zhu C, Yang F, Li X, **Bai HX**, Jiao Z. "Parameter-free latent space transformer for zero-shot bidirectional cross-modality liver segmentation." MICCAI 2022: Medical Image Computing and Computer Assisted Intervention; Singapore
2. Wang Y, Hsu W, Shi V, Lin G, Lin C, Feng X, **Bai HX**. "Car-Dcros: a dataset and benchmark for enhancing cardiovascular artery segmentation through disconnected components repair and open curve snake." MICCAI 2024: Medical Image Computing and Computer Assisted Intervention; Marrakesh, Morocco
3. Liu K, Ma Z, Kang X, Zhong Z, Jiao J, Baird, G, **Bai HX**, Miao Q. "Structural entities extraction and patient indications incorporation for chest x-ray report generation." MICCAI 2024: Medical Image Computing and Computer Assisted Intervention; Marrakesh, Morocco
4. Wang Y, Peng J, Dai Y, Jones C, Sair H, Shen J, Loizou N, Wu J, Hsu W, Imami M, Jiao Z, Zhang P, **Bai HX**. "Enhancing vision-language models for medical imaging: bridging the 3D gap with innovative slice selection." NeurIPS 2024: Advances in Neural Information Processing Systems; Vancouver, British Columbia, Canada
5. Guan H, Dai Y, Afyouni S, Kain A, Hsu W, Cheng J, Yao S, Wang Y, Wu J, Pulakhandam R, Zhao L, Zhu C, Jiao Z, Jones C, **Bai HX**. "Enhancing radiology report interpretation through modality-specific RadGraph fine-tuning." MICCAI 2025: Medical Image Computing and Computer Assisted Intervention; Daejeon, Republic of Korea
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